

PTO/SB/08A (10-01)

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Substitute for form 1449A/PTO				Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				Application Number	10/507,928 #6804
				Filing Date	March 19, 2003
				First Named Inventor	Ralph P. Braun
				Art Unit	1633
				Examiner Name	Not Yet Assigned
Sheet	1	of	2	Attorney Docket Number	HO-P03173US0-10505259

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
/IP/	AA	US-5,958,895	Sep. 28, 1999	Pachuk et al.	
/IP/	AB	US-2003/0139364-A1	Jul. 24, 2003	Kreig et al.	

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		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				
/IP/	BA	WO 1998/50567	Nov. 12, -1998	Abbott Laboratories		
/IP/	BB	WO 2001/46228	Jun. 28, 2001	Glaxo Group Limited		
/IP/	BC	WO 2005/025614	Mar. 24, 2005	Glaxo Group Limited		

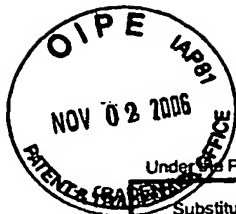
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Examiner Initials ¹	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, page(s), volume-issue number(s), publisher, city and/or country where published.				T ²
/IP/	CA	"Interferon-gamma as adjuvant in immunocompromised mice," Immunology, Abstract of Heath AW, August 1989, 67(4): 520-4.				
	CB	"Interferon-gamma potentiates antibody affinity in mice with a genetically controlled defect in affinity maturation," Clin Exp Immunol, Abstract of Holland GP, November 1990, 82(2): 221-226.				
	CC	"Recombinant gamma interferon is a potent adjuvant for a malaria vaccine in mice", Clin Exp Immunol, Abstract of Playfair JH, January 1987, 67(1):5-10.				
	CD	"Specific immune responses of dairy cattle after primary inoculation with recombinant bovine interferon-gamma as an adjuvant when vaccinating against mastitis", Am J Vet Res. Abstract of Pighetti GM, June 1996, 57(6):819-24.				
	CE	XIANG Z., et al., "Manipulation of the immune response to a plasmid-encoded Viral Antigen by Coinoculation with Plasmids Expressing Cytokines", Immunity, Vol. 2, February 1995, pp. 129-135.				
	CF	BAEK, KM et al. "Comparative analysis of effects of cytokine gene adjuvants on DNA vaccination against Mycobacterium tuberculosis heat shock protein 65", Vaccine, 21, May 2003, pp. 3684-3689.				
	CG	HAYASHI, F. et al., "Toll-like receptors stimulate human neutrophil function," Blood, 1 October 2003, Vol. 102, No. 7, pp. 2660-2669.				
	CH	HARRISON, C.J., "Effect of S28463 as an adjuvant for an immunotherapeutic HSV glycoprotein D (gD) DNA vaccine: Reduction of recurrent genital HSV disease in guinea pigs," Abstracts of the 36th ICAAC, page 185.				
	CI	HEMMI, H., et al. "Small anti-viral compounds active immune cells via the TLR7 MyD88-dependent signaling pathway," Nature Immunology, Vol. 3, No. 2, February 2002, pp. 196-200.				
	CJ	JURK, M. et al., "Human TLR7 or TLR8 independently confer responsiveness to the antiviral compound R-848," Nature Immunology, Vol. 3, No. 6, June 2002, page 499.				
/IP/CK		KURT- JONES, E., et al., "Role of Toll-like receptor 2 (TLR2) in neutrophil activation: GM-CSF				

Examiner Signature	/Ileana Popa/	Date Considered	11/09/2007
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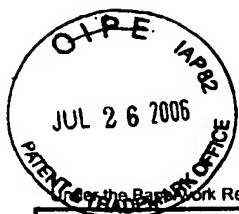
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	CP	STANLEY, M.A., "Imiquimod and the imidazoquinolones: mechanism of action and therapeutic potential," Clinical & Experimental Dermatology, Vol. 27, No. 7, October 1992, pp. 571-577(7).	
	CQ	THOMSEN, L.L., "Imiquimod and resiquimod in a mouse model: adjuvants for DNA vaccinations by particle-mediated immunotherapeutic delivery," Vaccine 22, 2004, pp. 1799-1809.	
	CR	ZUBBER, A.K., "Topical delivery of imiquimod to a mouse model as a novel adjuvant for human immunodeficiency virus (HIV) DNA," Vaccine 22, 2004, pp. 1791-1798.	
/IP/	CS	BRETT, S., "Strategies to Adjuvanties Particle Mediated Delivery of DNA Immunotherapeutic," Presentation given at meeting in Oxford, March 2006, pp. 1-6.	

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U.S. PATENT DOCUMENTS					
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		Number-Kind Code ² (if known)			
/IP/	A1	US-4,689,338	08-25-1987	Gerster	
	A2	US-4,929,624	05-29-1990	Gerster et al.	
	A3	US-5,238,944	08-24-1993	Wick et al.	
	A4	US-5,266,575	11-30-1993	Gerster et al.	
	A5	US-5,268,376	12-07-1993	Gester	
	A6	US-5,346,905	09-13-1994	Gerster	
	A7	US-5,352,784	10-04-1994	Nikolaides et al.	
	A8	US-5,389,640	02-14-1995	Gerster et al.	
	A9	US-5,395,937	03-07-1995	Nikolaides et al.	
	A10	US-5,482,936	01-09-1996	Lindstrom	
	A11	US-5,494,916	02-27-1996	Lindstrom et al.	
	A12	US-5,525,612	06-11-1996	Gerster	
	A13	US-6,083,505	07-04-2000	Miller et al.	
	A14	US-6,245,776	06-12-2001	Skwierczynski et al.	
	A15	US-20010006950-A1	07-05-2001	Punnonen et al.	
	A16	US-6,323,200	11-27-2001	Gerster et al.	
/IP/	A17	US-6,331,539	12-18-2001	Crooks et al.	
	A18	US-6,558,951	05-06-2003	Tomai et al.	

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/IP/	B1	WO-98/46263	10-22-1998	Lu		
/IP/	B2	WO-99/29693	06-17-1999	Lindstrom et al.		
/IP/	B3	WO-01/47955	07-05-2001	Hanke et al.		

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/IP/	C1	Bryant et al., "Biology and molecular biology of human immunodeficiency virus," <i>Pediatr. Infect. Dis. J.</i> , 11: 390-400, 1992.		
/IP/	C2	Burns et al., "The Imidazoquinolines, Imiquimod and R-848, Induce Functional, but Not Phenotypic, Maturation of Human Epidermal Langerhans' Cells," <i>Clinical Immunology</i> , 94(1): 13-23, 2000.		
/IP/	C3	Deonarain, "Ligand-targeted receptor-mediated vectors for gene delivery," <i>Exp. Opin. Ther. Patents</i> , 8(1): 53-69, 1998.		
/IP/	C4	Dockrell et al., "Imiquimod and resiquimod as novel immunomodulators," <i>Journal of Antimicrobial Chemotherapy</i> . 48: 751-755, 2001.		

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		Art Unit	1633		
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/IP/	C5	Eck et al., "Gene-Based Therapy," In: <i>Goodman & Goodman's The Pharmacological Basis of Therapeutics</i> , 9th Ed., McGraw-Hill, pp. 77-101, 1996.	
	C6	Gorecki, "Prospects and problems of gene therapy: an update," <i>Expert Opin. Emerging Drugs</i> , 6(2): 187-198, 2001.	
	C7	Greene, "The Molecular Biology of Human Immunodeficiency Virus Type 1 Infection," <i>The New England Journal of Medicine</i> , 324(5): 308-317, 1991.	
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	C10	Johnson, "Molecular Adjuvants and Immunomodulators: New Approaches to Immunization," <i>Clinical Microbiology Reviews</i> , 7(3): 277-289, 1994.	
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	C14	Tang et al., "Genetic immunization is a simple method for eliciting an immune response," <i>Nature</i> , 356: 152-154, 1992.	
	C15	Tomai et al., "Immunomodulating and antiviral activities of the imidazoquinoline S-28463," <i>Antiviral Research</i> , 28: 253-264, 1995.	
	C16	Ulmer et al., "Heterologous Protection Against Influenza by Infection of DNA Encoding a Viral Protein," <i>Science</i> , 259: 1745-1749, 1993.	
	C17	Verma et al., "Gene therapy - promises, problems and prospects," <i>Nature</i> , 389: 239-242, 1997.	
	C18	Wang et al., "Gene inoculation generates immune responses against human immunodeficiency virus type 1," <i>Proc. Natl. Acad. Sci. USA</i> , 90: 4156-4160, 1993.	
/IP/	C19	Yao et al., "Virus-like particle and DNA-based candidate AIDS vaccines," <i>Vaccine</i> , 21: 638-643, 2003.	

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Substitute for form 1449B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT Date Submitted: September 17, 2004 (use as many sheets as necessary)				Complete if Known <table border="1"> <tr> <td>Application Number</td> <td>Unassigned, National Stage of PCT/GB03/01213</td> </tr> <tr> <td>Filing Date</td> <td>9/17/2004</td> </tr> <tr> <td>First Named Inventor</td> <td>Ralph Patrick Braun</td> </tr> <tr> <td>Group Art Unit</td> <td>Unassigned</td> </tr> <tr> <td>Examiner Name</td> <td>Unassigned</td> </tr> <tr> <td>Attorney Docket Number</td> <td>036481-0157</td> </tr> </table>		Application Number	Unassigned, National Stage of PCT/GB03/01213	Filing Date	9/17/2004	First Named Inventor	Ralph Patrick Braun	Group Art Unit	Unassigned	Examiner Name	Unassigned	Attorney Docket Number	036481-0157
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/IP/	A1	WIPO	WO 93 20847	A	MINNESOTA MINING AND MANUFACTURING COMPANY	10-28-1998	Claims 1-27	
/IP/	A2	WIPO	WO 01 54719	A	SMITHKLINE BEECHAM BIOLOGIC. et al.	08-20-2001		
/IP/	A3	WIPO	WO 02 24225	A	GLAXO GROUP LIMITED	03-28-2002	Claim 25	
/IP/	A4	WIPO	WO 03 25003	A	BEATON ANDREW et al.	03-27-2003	Claims 1-27	

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/IP/	A5	BERNSTEIN, et al. "Effect of Imiquimod as an Adjuvant for Immunotherapy of Genital HSV in Guinea-Pigs." <i>Vaccine</i> (1995), vol. 13, no. 1, pp. 72-76.		
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/IP/	A7	VASILAKOS, et al. "Adjuvant Activities of Immune Response Modifier R-848: Comparison with CPG ODN." <i>Cellular Immunology</i> , August 25, 2000, vol. 204, no. 1, pp. 64-74.		

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